WHAT IS CLAIMED IS:

 A heat transfer system comprising a heat transfer fluid and a means for desorbing water from the heat transfer fluid,

the heat transfer fluid comprising at least about 40 weight percent non-buffered propylene glycol, and about 0.05 to about 5.0 weight percent of at least one propylene glycol soluble additive selected from the group consisting of a molybdate salt, a nitrate compound and an azole compound, the composition comprising less than about 0.5 weight percent added water.

- The heat transfer system of claim 1 wherein the heat transfer fluid includes from about 84.5 to about
  99.85 weight percent non-buffered propylene glycol.
  - 3. The heat transfer system of claim 1 wherein said molybdate salt is sodium molybdate.
  - 4. The heat transfer system of claim 1 wherein said nitrate compound is sodium nitrate.

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- 5. The heat transfer system of claim 1 wherein said azole compound consists of tolyltriazole.
- 6. The heat transfer system of claim 1 wherein said propylene glycol is present in a concentration of about 94.5%to about 99.85% by weight, and the propylene glycol soluble additive comprises a mixture of sodium molybdate, sodium nitrate and tolyltriazole.
- 7. The heat transfer system of claim 1 wherein said propylene glycol is present in a concentration of greater than about 99.0% by weight, and said propylene glycol soluble additive comprises a mixture of about 0.3%

sodium molybdate by weight, about 0.3% sodium nitrate by weight, and about 0.3% tolytriazole by weight.

- 8. The heat transfer system of claim 1 wherein the heat transfer system is an internal combustion engine heat exchange system.
  - 9. The heat transfer system of claim 1 wherein the heat transfer system is a motor vehicle engine heat exchange system.
- 10. A heat transfer fluid composition effective for use in heat exchange systems comprising at least about 40 weight percent non-buffered propylene glycol, and about 0.05 to about 5.0 weight percent of at least one propylene glycol soluble additive selected from the group consisting of a molybdate salt, a nitrate compound and an azole compound, the composition comprising less than about 0.5 weight percent water.
- 11. The heat transfer fluid of claim 10 wherein the heat transfer fluid includes from about 84.5 to about 20 99.85 weight percent non-buffered propylene glycol.
  - 12. The heat transfer fluid of claim 10 wherein said molybdate salt is sodium molybdate.
  - 13. The heat transfer fluid of claim 10 wherein said nitrate compound is sodium nitrate.

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- 14. The heat transfer fluid of claim 10 wherein said azole compound consists of tolyltriazole.
- 15. The heat transfer fluid of claim 10 wherein said propylene glycol is present in a concentration of about 94.5% to about 99.85% by weight, and the propylene

glycol soluble additive comprises a mixture of sodium molybdate, godium nitrate and tolyltriazole. The heat transfer fluid of claim 10 wherein said propylene glycol is present in a concentration of the propylene glycol is present and and and and are area to the propylene greater than about on the propylene greater than a propylene Bala propylene glycol by weight and said propylene greater than about 99.0% by weight minture of change greater than about 99.0% by weight and said propylene glycol soluble additive comprises a mixture of about of a Sodium wolybdate by weight, about 0.3% sodium nitrate by weight, about 0.3% sodium nitrate by weight, about 0.3% rolling or of the contract of weight, 17. A method of cooling a heat exchange system which comprises circulating a composition in said system. said composition comprising at least about 94.5 weight percent non-buffered propylene glycol, and about U.Up to about b.U weight percent of at least one the group soluble additive selected from the and an propylene glycol molindate call a nitrate commonina and a propylene glycol molindate call propyrene grycur surupre auururve serecueu rrum dand and an an anitrate compound and an consisting of a molybdate salt; a nitrate romariaing lead than consisting of a the composition commercial comm azole compound, the composition comprising less than 10 operation to maintain a starting volume, the added water the method effective for providing reduced corrosion about 0.5 Weight percent Water; as compared to a heat exchange not using the composition. being less than 7 weight percent, The method of claim 17 wherein said molybdate The method of claim 17 wherein said nitrate salt is sodium molybdate. The method of claim 17 wherein said azole compound is sodium nitrate. The method of claim 17 wherein said propylene compound consists of tolyltriazole. glycol is present in a concentration of about 94.5%to

about 99.85% by weight, and the propylene glycol soluble additive comprises a mixture of sodium molybdate, sodium nitrate and tolyltriazole.

22. The method of claim 17 wherein said propylene glycol is present in a concentration of greater than about 99.0% by weight, and said propylene glycol soluble additive comprises a mixture of about 0.3% sodium molybdate by weight, about 0.3% sodium nitrate by weight, and about 0.3% tolytriazole by weight.

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- 23. The method of claim 17 wherein the heat exchange system is an internal combustion engine heat exchange system.
- 24. The method of claim 19 wherein the heat exchange exchange system is a motor vehicle engine heat exchange system.